

### Amendments to the Claims

Claim 1 (Currently Amended) A projection display device comprising:

a white light source;

a condensing means for condensing light emitted from the white light source to form a condensed spot on a color wheel including a plurality of color filters having respective colors;

a color selection means for selectively passing through light of each color band of the light of the condensed spot, in a predetermined order, by rotating the color wheel;

an illumination means for condensing the light which has passed through the color selection means;

a spatial light modulator for modulating the light from the illumination means incident thereon which has passed through the color selection means;

a projection means for projecting the light modulated by the spatial light modulator onto a screen; and

a shading means having an opening which is disposed at one of an incident side of the color selection means and an output side of the color selection means; and for, when a size of the condensed spot on the color wheel has increased due to an increase in light emission of the white light source, shading a portion of the light passing through the color wheel corresponding to the increased size of the condensed spot

a spatial light modulator driving means for driving the spatial light modulator to display black during a period in which light which has passed through the opening has passed through two adjacent color filters and contains two colors.

Claim 2 (Currently Amended) The projection display device of Claim 1, wherein

the shading means comprises a diaphragm having the an opening of a predetermined size, through which the incident light is passed, and a width of the opening of the diaphragm with respect to a rotational direction of the color wheel is set to be equal to or smaller than a diameter of the a condensed spot which is formed on the color wheel at an initial use of the white light source.

**Claim 3 (Previously Presented)** The projection display device of Claim 1, wherein  
the shading means has a light passing part, and a size of the light passing part varies  
according to a wavelength of the light which has passed through the color selection means.

**Claim 4 (Previously Presented)** The projection display device of Claim 1, wherein  
the shading means has a light passing part, and  
the projection display device further comprises a light elimination means for partially  
eliminating light of a specific wavelength band, from the light which is incident on the light  
passing part of the shading means.

**Claim 5 (Previously Presented)** The projection display device of Claim 1, wherein  
the shading means is placed on an emission side of the color selection means.

**Claim 6 (Previously Presented)** The projection display device of Claim 1, wherein  
the shading means is placed at a 5 mm or smaller air gap apart from the color selection  
means.

**Claim 7 (Previously Presented)** The projection display device of Claim 1, wherein  
the white light source is an extra-high pressure mercury lamp.

**Claim 8 (Previously Presented)** The projection display device of Claim 1, wherein  
the condensing means is an ellipsoidal mirror.

**Claim 9 (Previously Presented)** The projection display device of Clam 8, wherein  
the color selection means has a light passing surface or a light reflecting surface located  
in a vicinity of a long focus of the ellipsoidal mirror.

**Claim 10 (Previously Presented)** The projection display device of Claim 1, wherein  
a plane that is orthogonal to an optical axis of the shading means is approximately  
circular in cross section.

**Claim 11 (Previously Presented)** The projection display device of Claim 10, wherein  
the shading means is approximately columnar.

**Claim 12 (Previously Presented)** The projection display device of Claim 10, wherein  
the shading means is approximately conical.

**Claim 13 (Previously Presented)** The projection display device of Claim 1, wherein  
each of the plurality of color filters is fan-shaped.